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April 9, 2015

Roston Manoukian  
Staff Engineer  
11301 Wilshire Blvd  
B218 Room 325A  
Los Angeles, CA 90073

**Subject: VA WLA-Bldg. 46 Roof Project**

Dear Mr. Manoukian

Millennium Consulting Associates (Millennium) was requested to perform a limited asbestos survey at the Department of Veterans Affairs (VA) West LA, Building 46 Roof, located at 11301 Wilshire Blvd, Los Angeles, CA 90073.

The purpose of this survey was to determine and report the presence of Asbestos Containing Materials (ACM), which would be impacted during the roof replacement.

Julius Thompson, a Certified Asbestos Consultant (CAC) and Dale Williams, a Certified Site Surveillance Technician (CSST) from Millennium conducted a site inspection and sampling on April 8, 2015. During the sampling, Millennium collected nine (9) suspect ACM bulk samples from the roof area, which were held and sent to a certified laboratory under chain of custody. The results of six (6) of the nine (9) samples were determined to contain ACM by EMS LABORATORIES, Pasadena, CA. (Sampling results are attached). Asbestos Containing Material (ACM) is present in both the roofing mastic and silver coating materials.

If you have any questions, please contact me at your convenience. Thank you.

Sincerely,

Julius R Thompson, CAC  
Certified Asbestos Consultant #03-3458  
310-925-2219

## SUBMITTAL FORM/Laboratory Services

1165406

PAGE ☐ OF ☐TURNAROUND TIME: STD ☐ 48 HR. ☐ 24 HR. ☐  
<8 HR. ☒ WKND ☐ OTHER: RUSH!!RELINQUISHED BY Julius ThompsonTIME / DATE 4-8-15CLIENT VETERAN'S ADMINISTRATIONDATE OF SHIPMENT - CARRIER drop offADDRESS 11301 WILSHIRE BLVD., B-218CLIENT P.O. NO. -LOS ANGELES, CA 90073CLIENT JOB/PROJECT ID NO(S) B 46 ROOFTELEPHONE 310-268-3563CONTACT BEN SPIVEYPACKAGE SHIPPED FROM -RESULTS REQUESTED VIA VERBAL ☐ FAX ☐ E-MAIL ☐ E-MAIL -(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal, fax or e-mail results) FAX NO. -DATE/TIME OF SAMPLE COLLECTION 4-8-15SAMPLE PRESERVATIVES N/AHOLDING TIMES N/ANO. OF SAMPLES SENT 9 SAMPLER'S NAME Julius Thompson

SIGNATURE

PRINTED

ASB

TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER BULK

(FOR EMS ONLY)

EMS Sample No.

1165406-1

CLIENT SAMPLE NO.

DESCRIPTION LOCATION ANALYSIS

VOLUME  
TIME WEIGHT  
(IF APPLICABLE)

BU150186

WHITE CHALKING - ROOF WEST

PLM

BU150187

" - ROOF SOUTH

"

BU150188

" - ROOF EAST

"

BU150192

ROOF MASTIC - ROOF WEST

"

BU150193

" - ROOF SOUTH

"

BU150194

" - ROOF EAST

"

BU150195

SILVER COATING - ROOF WEST

"

BU150196

" - ROOF SOUTH

"

BU150197

" - ROOF EAST

"

NOTE: CHECK FOR LEAD CONTENT

15 lines

Laboratory No. 1165406Received By Ameren Time 1350Date of Package Delivery 04-08-15Shipping Bill Retained: YES ☐ NONE ☒Condition of Package on Receipt OKCondition of Custody Seal NE

(NOTE: If the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and the shipper)

No. of Samples 9Chain-of-Custody Signature [Signature]Date of Acceptance into Sample Bank 04-08-15Misc. Info. ESDisposition of Samples ES

(SF 6/07)

FOR EMS ONLY

**EMS LABORATORIES INC.**

117 W. Bellevue Drive, Pasadena, CA 91105-2548 626-568-4065

National Institute of Standards and Technology (NIST) NVLAP Lab Code 101218-0  
California Department of Health Services Environmental Testing Laboratory ELAP 1119  
County Sanitation Districts of Los Angeles County ID No. 10120  
AIHA Laboratory Accreditation Programs, LLC 101634

CUSTOMER: VA-GLAHS (130b)  
11301 Wilshire Blvd., Bldg. 218, Rm 308  
Los Angeles CA 90025  
CONTACT: Ben Spivey  
REFERENCE: B46 Roof  
METHOD: EPA 600/R-93/116

PAGE #: 1 of 2  
REPORT #: 0165406  
PROJECT: PLM ANALYSIS  
DATE COLLECTED: 04/08/2015  
COLLECTED BY:  
DATE RECEIVED: 04/08/2015  
ANALYSIS DATE: 04/08/2015

**BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY**

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0165406-001 Bu150186	Caulking, Gray, Homogeneous, solid, ash, acid, non-friable Note: 27°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0165406-002 Bu150187	Caulking, Gray, Homogeneous, solid, ash, acid, non-friable Note: 27°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0165406-003 Bu150188	Caulking, Gray, Homogeneous, solid, ash, acid, non-friable Note: 27°C	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
0165406-004 Bu150192	Roof Mastic, Black/white, Non- homogeneous, tar like/fibrous, melt, non-friable Note: 27°C, 1.55 Oil	LAYER 1 100%	Chrysotile 5%	Non-Fibrous Material 95%
0165406-005 Bu150193	Roof Mastic, Black/white, Non- homogeneous, tar like/fibrous, melt, non-friable Note: 27°C, 1.55 Oil	LAYER 1 100%	Chrysotile 5%	Non-Fibrous Material 95%
0165406-006 Bu150194	Roof Mastic, Black/white, Non- homogeneous, tar like/fibrous, melt, non-friable Note: 27°C, 1.55 Oil	LAYER 1 100%	Chrysotile 5%	Non-Fibrous Material 95%

CUSTOMER: VA-GLAHS (130b)  
11301 Wilshire Blvd., Bldg. 218, Rm 308  
Los Angeles CA 90025

PAGE #: 2 of 2  
REPORT #: 0165406  
PROJECT: PLM ANALYSIS

### BULK SAMPLE ANALYSIS FOR ASBESTOS CONTENT BY POLARIZED LIGHT MICROSCOPY

Laboratory ID - Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0165406-007 Bu150195	Silver coating, Silver, Homogeneous, paint, ash, non- friable Note: 27°C, 1.55 Oil	LAYER 1 100%	Chrysotile	2%	Non-Fibrous Material	98%
0165406-008 Bu150196	Silver coating, Silver, Homogeneous, paint, ash, non- friable Note: 27°C, 1.55 Oil	LAYER 1 100%	Chrysotile	2%	Non-Fibrous Material	98%
0165406-009 Bu150197	Silver coating, Silver, Homogeneous, paint, ash, non- friable Note: 27°C, 1.55 Oil	LAYER 1 100%	Chrysotile	2%	Non-Fibrous Material	98%

Analyst - JEFFREY VAN

Approved Signatory Laboratory Director

The EPA method is a semi-quantitative procedure. The detection limit is between 0.1-1% by area and dependent upon the size of the asbestos fibers, the means of sampling and the matrix of the sampled material. The test results reported are for the sample(s) delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken from a "homogeneous sampling area" before friable material is considered non-asbestos-containing. Negative floor tile samples may contain significant amounts (>1%) of very thin fibers which cannot be detected by PLM. Confirmation by TEM is recommended by the EPA (Federal Register Vol.59, No.146). Asbestos fibers bound in a non-friable organic matrix may not be detected by PLM. Alternative preparation methods are recommended. This report, from a NIST-accredited laboratory through NVLAP, must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. government. This report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc. Samples were received in good condition unless otherwise noted.



NVLAP Lab Code: 101218-0